Brought to you by Universidad de Lima

Scopus Search Sources Lists SciVal ↗ Create account Sign in

1 of 1

Export Download Print E-mail Save to PDF Add to List More... >

View at Publisher|

Document type	Source type	ISSN	DOI
Article	Journal	23525509	10.1016/j.spc.2021.05.019

View more

Sustainable Production and Consumption • Volume 28, Pages 326 - 345 • October 2021

Contribution of Certification Bodies and Sustainability Standards to Sustainable Development Goals: An Integrated Grey Systems Approach

Ikram M.[a] , Zhang Q.[a] , Sroufe R.[b] , Ferasso M.[c]

Save all to author list

[a] College of Management, Research Institute of Business Analytics and Supply Chain Management, Shenzhen, University, Shenzhen, 518060, China

[b] Donahue Graduate School of Business, Duquesne University, 820 Rockwell Hall600 Forbes Avenue, Pittsburg, United States

[c] Institute of Scientific Research and graduate school, Universidad de Lima, Lima, Peru Av. Javier Prado Ests, 4600, Santiago de Surco, 15023, Peru

Abstract

Author keywords

Indexed keywords

Funding details

Abstract

The International Organization for Standardization (ISO) and the Global Reporting Initiative (GRI) promote their alignment with the United Nations' Sustainable Development Goals (SDGs). This convergence of standards and information is causing the selection of a certification body to register these sustainability standards to become more complicated. Therefore, this study fills a gap in the literature by developing a framework to prioritize the most critical attributes for selecting a certification body. Initially, we focus on seven attributes using the Grey Delphi method. Further, Grey Analytical Hierarchy Process (GAHP) is employed to find primary and sub-indicators relative importance. Finally, we used a novel Grey Absolute Decision Analysis (GADA) model to rank the widely adapted top six certification bodies. Results reveal that Reputation, Payment Method & Cost, and Quality of Auditors are significant indicators with weighted scores of 0.2120, 0.1704, and 0.1406. In contrast, the auditor's knowledge about the sustainability standards, and review of the meetings obtained the highest weight score 0.5009 and 0.4918 and are seen as essential amongst 35 sub-criteria. Within this study, we identify which ISO and GRI sustainability standards contribute to a given SDG. We also find Bureau Veritas and Société Générale de Surveillance are the best-suited certification bodies help to achieve SDGs as they obtained the highest weights 0.8731, and 0.7340. This study is amongst the first of its kind to address selecting the right certification body for aligning with the SDGs by using the integration of three novel grey models. Outcomes of this study can help assist scholars,

Metrics View all metrics >

PlumX Metrics

Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Cited by 0 documents

Inform me when this document is cited in Scopus:

Set citation alert >

Related documents

Analytic Network Process (ANP) for Certification Body Selection in Indonesia

Nadira, R. , Nurcahyo, R. , Sihono, D.G.
(2019) ICETAS 2019 - 2019 6th IEEE International Conference on Engineering, Technologies and Applied Sciences

Paymasters and Assurance Providers: Exploring Firms' Discretion in Selecting Non-financial Auditors

Prajogo, D. , Castka, P. , Searcy, C.
(2020) Journal of Business Ethics

Factors influencing firm propensity for ISO 9001 withdrawal: Evidence on decertification tendency and antecedents

Ferreira, L.M.F.R. , Cândido, C.J.F.
(2021) International Journal of Production Economics

View all related documents based on references

Find more related documents in Scopus based on:

Authors > Keywords >

managers, government agencies, and decision-makers in selecting certification bodies to achieve SDGs while simultaneously improving sustainability practices. © 2021 Institution of Chemical Engineers

Author keywords

Certification bodies; Grey systems approach; GRI; ISO; Sustainability standards; Sustainable development goals

Indexed keywords

Funding details

References (82)

View in search results format >

All

Export Print E-mail Save to PDF Create bibliography

1 Abid, N., Ikram, M., Wu, J., Ferasso, M.

Towards environmental sustainability: Exploring the nexus among ISO 14001, governance indicators and green economy in Pakistan

(2021) *Sustainable Production and Consumption*, 27, pp. 653-666. Cited 4 times.
http://www.journals.elsevier.com/sustainable-production-and-consumption/
doi: 10.1016/j.spc.2021.01.024

View at Publisher

2 Ali, J., Yusuf, N.

International Quality Certification and Business Performance of Indian Firms: Evidence from Enterprise Survey Data

(2019) *Global Business Review*. Cited 2 times.
http://gbr.sagepub.com/
doi: 10.1177/0972150919825514

View at Publisher

3 Alvarenga, A.D., Salgado, E.G., Mendes, G.H.S.

Ranking criteria for selection of certification bodies for ISO 9001 through the Analytic Hierarchy Process (AHP)

(2018) *International Journal of Quality and Reliability Management*, 35 (7), pp. 1321-1342. Cited 3 times.
http://www.emeraldinsight.com/info/journals/ijqrm/ijqrm.jsp
doi: 10.1108/IJQRM-12-2016-0217

View at Publisher

4 Azapagic, A.

Sustainable Production and Consumption: A Decision-Support Framework Integrating Environmental, Economic and Social Sustainability

(2015) *Computer Aided Chemical Engineering*, 37, pp. 131-136. Cited 9 times.
http://www.elsevier.com/wps/find/bookdescription.cws_home/BS_CCE/description#description
doi: 10.1016/B978-0-444-63578-5.50017-7

View at Publisher

5 Barbosa-Póvoa, A.P., da Silva, C., Carvalho, A.

Opportunities and challenges in sustainable supply chain: An operations research perspective

(2018) *European Journal of Operational Research*, 268 (2), pp. 399-431. Cited 128 times.
doi: 10.1016/j.ejor.2017.10.036

View at Publisher

6 Bian, J., Liao, Y., Wang, Y.-Y., Tao, F.

Analysis of firm CSR strategies

(2021) *European Journal of Operational Research*, 290 (3), pp. 914-926. Cited 11 times.
https://www.journals.elsevier.com/european-journal-of-operational-research/
doi: 10.1016/j.ejor.2020.03.046

View at Publisher

7 World Commission on Environment and Development: Our Common Future (1987) . Cited 3386 times.

8 The British Standards Institution Annual Report and Financial Statements 2019
(2019)

9 Cai, S., Jun, M.

A qualitative study of the internalization of ISO 9000 standards: The linkages among firms' motivations, internalization processes, and performance

(2018) *International Journal of Production Economics*, 196, pp. 248-260. Cited 27 times.
doi: 10.1016/j.ijpe.2017.12.001

View at Publisher

10 Cândido, C.J.F., Coelho, L.M.S., Peixinho, R.M.T.

Why firms lose their ISO 9001 certification: Evidence from Portugal (Open Access)

(2021) *Total Quality Management and Business Excellence*, 32 (5-6), pp. 632-651. Cited 7 times.
http://www.tandf.co.uk/journals/titles/14783363.asp
doi: 10.1080/14783363.2019.1625266

View at Publisher

11 Castka, P., Prajogo, D., Sohal, A., Yeung, A.C.L.

Understanding firms selection of their ISO 9000 third-party certifiers (Open Access)

(2015) *International Journal of Production Economics*, 162, pp. 125-133. Cited 36 times.
doi: 10.1016/j.ijpe.2015.01.012

View at Publisher

12 Chan, F.T.S., Chan, H.K.
An AHP model for selection of suppliers in the fast changing fashion market

(2010) *International Journal of Advanced Manufacturing Technology*, 51 (9-12), pp. 1195-1207. Cited 113 times.
doi: 10.1007/s00170-010-2683-6

View at Publisher

13 Chan, F.T.S., Kumar, N.
Global supplier development considering risk factors using fuzzy extended AHP-based approach

(2007) *Omega*, 35 (4), pp. 417-431. Cited 854 times.
doi: 10.1016/j.omega.2005.08.004

View at Publisher

14 Chiarini, A.
Why are manufacturing SMEs cancelling their ISO 9001 certification? Research from Italy

(2019) *Production Planning and Control*, 30 (8), pp. 639-649. Cited 10 times.
www.tandf.co.uk/journals/titles/09537287.asp
doi: 10.1080/09537287.2019.1566840

View at Publisher

15 Chkanikova, O., Sroufe, R.
Third-party sustainability certifications in food retailing: Certification design from a sustainable supply chain management perspective

(2021) *Journal of Cleaner Production*, 282, art. no. 124344. Cited 3 times.
https://www.journals.elsevier.com/journal-of-cleaner-production
doi: 10.1016/j.jclepro.2020.124344

View at Publisher

16 Chowdhury, M.M.H., Paul, S.K., Sianaki, O.A., Quaddus, M.A.
Dynamic sustainability requirements of stakeholders and the supply portfolio

(2020) *Journal of Cleaner Production*, 255, art. no. 120148. Cited 6 times.
https://www.journals.elsevier.com/journal-of-cleaner-production
doi: 10.1016/j.jclepro.2020.120148

View at Publisher

17 Diaz-Balteiro, L., González-Pachón, J., Romero, C.
Measuring systems sustainability with multi-criteria methods: A critical review

(2017) *European Journal of Operational Research*, 258 (2), pp. 607-616. Cited 135 times.
doi: 10.1016/j.ejor.2016.08.075

View at Publisher

18 Sustainability performance Report 2019
(2019)

19 (2015)
DNVGL 2030 forecast: key conclusions The main findings from DNV GL's model-based forecast of the most likely future for our planet [WWW Document]. URL (accessed 11.11.20).
https://www.dnvgl.com/technology-innovation/spaceship-earth/forecast-key-conclusions.html

20 Elkington, J.
Cannibals with Forks: Triple Bottom Line of 21st Century Business (1997) . Cited 4905 times.
The Triple Bottom Line

21 (2019)
Fonseca, Carvalho The reporting of SDGs by quality, environmental, and occupational health and safety-certified organizations. Sustainability 11, 5797. doi:.

22 Gallego-Álvarez, I., Lozano, M.B., Rodríguez-Rosa, M.
An analysis of the environmental information in international companies according to the new GRI standards
(2018) *Journal of Cleaner Production*, 182, pp. 57-66. Cited 14 times.
doi: 10.1016/j.jclepro.2018.01.240
View at Publisher

23 Gómez Martín, E., Giordano, R., Pagano, A., van der Keur, P., Máñez Costa, M.
Using a system thinking approach to assess the contribution of nature based solutions to sustainable development goals (Open Access)
(2020) *Science of the Total Environment*, 738, art. no. 139693. Cited 12 times.
www.elsevier.com/locate/scitotenv
doi: 10.1016/j.scitotenv.2020.139693
View at Publisher

24 Govindan, K., Khodaverdi, R., Jafarian, A.
A fuzzy multi criteria approach for measuring sustainability performance of a supplier based on triple bottom line approach
(2013) *Journal of Cleaner Production*, 47, pp. 345-354. Cited 563 times.
doi: 10.1016/j.jclepro.2012.04.014
View at Publisher

25 Linking the SDGs and the GRI Standards
(2020) . Cited 3 times.

26 Haeri, S.A.S., Rezaei, J.
A grey-based green supplier selection model for uncertain environments (Open Access)
(2019) *Journal of Cleaner Production*, 221, pp. 768-784. Cited 56 times.
https://www.journals.elsevier.com/journal-of-cleaner-production
doi: 10.1016/j.jclepro.2019.02.193
View at Publisher

27 Heras-Saizarbitoria, I., Boiral, O.

ISO 9001 and ISO 14001: Towards a Research Agenda on Management System Standards

(2013) *International Journal of Management Reviews*, 15 (1), pp. 47-65. Cited 255 times.
doi: 10.1111/j.1468-2370.2012.00334.x

View at Publisher

28 Hernandez-Vivanco, A., Domingues, P., Sampaio, P., Bernardo, M., Cruz-Cázares, C.

Do multiple certifications leverage firm performance? A dynamic approach

(2019) *International Journal of Production Economics*, 218, pp. 386-399. Cited 22 times.
https://www.journals.elsevier.com/international-journal-of-production-economics
doi: 10.1016/j.ijpe.2019.07.016

View at Publisher

29 Hernandez, H.

Quality audit as a driver for compliance to ISO 9001:2008 standards

(2010) *TQM Journal*, 22 (4), pp. 454-466. Cited 15 times.
doi: 10.1108/17542731011053361

View at Publisher

30 Hoy, Z., Foley, A.

A structured approach to integrating audits to create organisational efficiencies: ISO 9001 and ISO 27001 audits (Open Access)

(2015) *Total Quality Management and Business Excellence*, 26 (5-6), pp. 690-702. Cited 20 times.
http://www.tandf.co.uk/journals/titles/14783363.asp
doi: 10.1080/14783363.2013.876181

View at Publisher

31 Huan, Y., Liang, T., Li, H., Zhang, C.

A systematic method for assessing progress of achieving sustainable development goals: A case study of 15 countries

(2021) *Science of the Total Environment*, 752, art. no. 141875. Cited 9 times.
www.elsevier.com/locate/scitotenv
doi: 10.1016/j.scitotenv.2020.141875

View at Publisher

32 Huang, S.H., Keskar, H.

Comprehensive and configurable metrics for supplier selection

(2007) *International Journal of Production Economics*, 105 (2), pp. 510-523. Cited 270 times.
doi: 10.1016/j.ijpe.2006.04.020

View at Publisher

33 Hu, X., Chong, H.-Y., Wang, X.
Sustainability perceptions of off-site manufacturing stakeholders in Australia

(2019) *Journal of Cleaner Production*, 227, pp. 346-354. Cited 74 times.
https://www.journals.elsevier.com/journal-of-cleaner-production
doi: 10.1016/j.jclepro.2019.03.258

View at Publisher

34 Ikram, M., Zhang, Q., Sroufe, R.
Future of quality management system (ISO 9001) certification: novel grey forecasting approach

(2020) *Total Quality Management and Business Excellence*. Cited 4 times.
http://www.tandf.co.uk/journals/titles/14783363.asp
doi: 10.1080/14783363.2020.1768062

View at Publisher

35 Ikram, M., Zhang, Q., Sroufe, R.
Developing integrated management systems using an AHP-Fuzzy VIKOR approach

(2020) *Business Strategy and the Environment*, 29 (6), pp. 2265-2283. Cited 10 times.
http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-0836
doi: 10.1002/bse.2501

View at Publisher

36 Ikram, M., Zhang, Q., Sroufe, R., Ferasso, M.
The social dimensions of corporate sustainability: An integrative framework including COVID-19 insights
(Open Access)

(2020) *Sustainability (Switzerland)*, 12 (20), art. no. 8747, pp. 1-29. Cited 9 times.
https://www.mdpi.com/2071-1050/12/20/8747/pdf
doi: 10.3390/su12208747

View at Publisher

37 (2017) *ISO Members. Int. Stand. Stand*
URL (accessed 1.13.21)
http://www.iso.org/iso/home/about/iso_members.htm

38 Contributing to the UN Sustainable Development Goals with ISO Standards (2018) . Cited 6 times.

39 ISO, 2018b. How ISO Standards Help Meet The SDGS [WWW Document]. URL (accessed 10.16.20).
https://www.iso.org/sdgs.html

40 Ivanova, A., Gray, J., Sinha, K.
Towards a unifying theory of management standard implementation: The case of ISO 9001/ISO 14001

(2014) *International Journal of Operations and Production Management*, 34 (10), pp. 1269-1306. Cited 46 times.
http://www.emeraldinsight.com/journals.htm?issn=0144-3577
doi: 10.1108/IJOPM-03-2013-0117

View at Publisher

41 Jamal, K., Sunder, S.
Is mandated independence necessary for audit quality?

(2011) *Accounting, Organizations and Society*, 36 (4-5), pp. 284-292. Cited 44 times.
doi: 10.1016/j.aos.2011.03.001

View at Publisher

42 Javed, S.A., Liu, S.
Bidirectional Absolute GRA/GIA Model for Uncertain Systems: Application in Project Management (Open Access)

(2019) *IEEE Access*, 7, art. no. 8666121, pp. 60885-60896. Cited 12 times.
http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6287639
doi: 10.1109/ACCESS.2019.2904632

View at Publisher

43 Javed, S.A., Mahmoudi, A., Liu, S.
Grey Absolute Decision Analysis (GADA) Method for Multiple Criteria Group Decision-Making Under Uncertainty

(2020) *International Journal of Fuzzy Systems*, 22 (4), pp. 1073-1090. Cited 9 times.
http://link.springer.com/journal/volumesAndIssues/40815
doi: 10.1007/s40815-020-00827-8

View at Publisher

44 Javed, S.A., Ikram, M., Tao, L., Liu, S.
Forecasting key indicators of China's inbound and outbound tourism: optimistic–pessimistic method
(2020) *Grey Syst. Theory Appl. ahead-of-p*. Cited 5 times.

45 Javed, S.A., Zhu, B., Liu, S.
Forecast of biofuel production and consumption in top CO_2 emitting countries using a novel grey model

(2020) *Journal of Cleaner Production*, 276, art. no. 123997. Cited 7 times.
https://www.journals.elsevier.com/journal-of-cleaner-production
doi: 10.1016/j.jclepro.2020.123997

View at Publisher

46 Jespersen, A.H., Hasle, P.
Developing a concept for external audits of psychosocial risks in certified occupational health and safety management systems (Open Access)

(2017) *Safety Science*, Part B 99, pp. 227-234. Cited 9 times.
www.elsevier.com/locate/ssci
doi: 10.1016/j.ssci.2016.11.023

View at Publisher

47 Kannan, D., De Sousa Jabbour, A.B.L., Jabbour, C.J.C.
Selecting green suppliers based on GSCM practices: Using Fuzzy TOPSIS applied to a Brazilian electronics company (Open Access)

(2014) *European Journal of Operational Research*, 233 (2), pp. 432-447. Cited 402 times.
doi: 10.1016/j.ejor.2013.07.023

View at Publisher

48 Lamichhane, S., Eğilmez, G., Gedik, R., Bhutta, M.K.S., Erenay, B.

Benchmarking OECD countries' sustainable development performance: A goal-specific principal component analysis approach

(2021) *Journal of Cleaner Production*, 287, art. no. 125040. Cited 7 times.
https://www.journals.elsevier.com/journal-of-cleaner-production
doi: 10.1016/j.jclepro.2020.125040

View at Publisher

49 Reaching New Heights for a Safer World
(2019)

50 Ma, Z., Shao, C., Ma, S., Ye, Z.

Constructing road safety performance indicators using fuzzy delphi method and grey delphi method

(2011) *Expert Systems with Applications*, 38 (3), pp. 1509-1514. Cited 122 times.
doi: 10.1016/j.eswa.2010.07.062

View at Publisher

51 Ofosu-Adarkwa, J., Xie, N., Javed, S.A.

Forecasting CO_2 emissions of China's cement industry using a hybrid Verhulst-GM(1,N) model and emissions' technical conversion

(2020) *Renewable and Sustainable Energy Reviews*, 130, art. no. 109945. Cited 13 times.
https://www.journals.elsevier.com/renewable-and-sustainable-energy-reviews
doi: 10.1016/j.rser.2020.109945

View at Publisher

52 Pan, X., Sinha, P., Chen, X.

Corporate social responsibility and eco-innovation: The triple bottom line perspective

(2021) *Corporate Social Responsibility and Environmental Management*, 28 (1), pp. 214-228. Cited 6 times.
http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1535-3966
doi: 10.1002/csr.2043

View at Publisher

53 Poksinska, B., Dahlgaard, J.J., Eklund, J.A.E.

From compliance to value-added auditing - Experiences from Swedish ISO 9001:2000 certified organisations

(2006) *Total Quality Management and Business Excellence*, 17 (7), pp. 879-892. Cited 31 times.
doi: 10.1080/14783360600595294

View at Publisher

54 Power, D., Terziovski, M.

Quality audit roles and skills: Perceptions of non-financial auditors and their clients

(2007) *Journal of Operations Management*, 25 (1), pp. 126-147. Cited 35 times.
doi: 10.1016/j.jom.2006.02.005

View at Publisher

55 Power, D., Terziovski, M.

The process, practice and outcomes of non-financial auditing: Five Australian case studies

(2005) *International Journal of Manufacturing Technology and Management*, 7 (1), pp. 52-82. Cited 8 times.
http://www.inderscience.com/ijmtm
doi: 10.1504/IJMTM.2005.006502

View at Publisher

56 Prajogo, D., Castka, P., Searcy, C.

Paymasters and Assurance Providers: Exploring Firms' Discretion in Selecting Non-financial Auditors

(2020) *Journal of Business Ethics*. Cited 4 times.
https://link.springer.com/journal/10551
doi: 10.1007/s10551-020-04539-9

View at Publisher

57 Prajogo, D., Castka, P., Yiu, D., Yeung, A.C.L., Lai, K.-H.

Environmental Audits and Third Party Certification of Management Practices: Firms' Motives, Audit Orientations, and Satisfaction with Certification

(2016) *International Journal of Auditing*, 20 (2), pp. 202-210. Cited 20 times.
http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1099-1123
doi: 10.1111/ijau.12068

View at Publisher

58 Prajogo, D.I.

The roles of firms' motives in affecting the outcomes of ISO 9000 adoption

(2011) *International Journal of Operations and Production Management*, 31 (1), pp. 78-100. Cited 131 times.
doi: 10.1108/01443571111098753

View at Publisher

59 Rehman, E., Ikram, M., Feng, M.T., Rehman, S.

Sectoral-based CO_2 emissions of Pakistan: a novel Grey Relation Analysis (GRA) approach

(2020) *Environmental Science and Pollution Research*, 27 (23), pp. 29118-29129. Cited 11 times.
https://link.springer.com/journal/11356
doi: 10.1007/s11356-020-09237-7

View at Publisher

60 Ristono, A., Pratikto, Budi Santoso, P., Pambudi Tama, I.

A literature review of design of criteria for supplier selection (Open Access)

(2018) *Journal of Industrial Engineering and Management*, 11 (4), pp. 680-696. Cited 11 times.
http://jiem.org/index.php/jiem/article/view/2203/878
doi: 10.3926/jiem.2203

View at Publisher

61 Sethi, S.P., Rovenpor, J.L., Demir, M.

Enhancing the Quality of Reporting in Corporate Social Responsibility Guidance Documents: The Roles of ISO 26000, Global Reporting Initiative and CSR-Sustainability Monitor

(2017) *Business and Society Review*, 122 (2), pp. 139-163. Cited 25 times.
http://www.blackwellpublishing.com/journal.asp?ref=0045-3609&site=1
doi: 10.1111/basr.12113

View at Publisher

62 2019 Corporate Sustainability Report
(2019) . Cited 2 times.

63 Sharma, K.K., Seal, A.

Modeling uncertain data using Monte Carlo integration method for clustering

(2019) *Expert Systems with Applications*, 137, pp. 100-116. Cited 22 times.
https://www.journals.elsevier.com/expert-systems-with-applications
doi: 10.1016/j.eswa.2019.06.050

View at Publisher

64 Shete, P.C., Ansari, Z.N., Kant, R.

A Pythagorean fuzzy AHP approach and its application to evaluate the enablers of sustainable supply chain innovation

(2020) *Sustainable Production and Consumption*, 23, pp. 77-93. Cited 15 times.
http://www.journals.elsevier.com/sustainable-production-and-consumption/
doi: 10.1016/j.spc.2020.05.001

View at Publisher

65 Singh, P.J., Power, D., Chuong, S.C.

A resource dependence theory perspective of ISO 9000 in managing organizational environment

(2011) *Journal of Operations Management*, 29 (1-2), pp. 49-64. Cited 99 times.
doi: 10.1016/j.jom.2010.04.002

View at Publisher

66 Skirbekk, G.

Marxism and Ecology

(1994) *Capitalism Nature Socialism*, 5 (4), pp. 95-104. Cited 4 times.
doi: 10.1080/10455759409358612

View at Publisher

67 Souza, J.P.E., Alves, J.M.

Lean-integrated management system: A model for sustainability improvement

(2018) *Journal of Cleaner Production*, 172, pp. 2667-2682. Cited 65 times.
doi: 10.1016/j.jclepro.2017.11.144

View at Publisher

68 Stević, Ž., Stjepanović, Ž., Božičković, Z., Das, D.K., Stanujkić, D.
Assessment of conditions for implementing information technology in a warehouse system: A novel fuzzy PIPRECIA method (Open Access)

(2018) *Symmetry*, 10 (11), art. no. 586. Cited 23 times.
https://www.mdpi.com/2073-8994/10/11/586/pdf
doi: 10.3390/sym10110586

View at Publisher

69 Tavares de Aquino, A., Maciel de Melo, R.
Multicriteria model for selecting TQM consultancy and certification services

(2016) *Benchmarking*, 23 (7), pp. 1736-1750. Cited 3 times.
http://www.emeraldinsight.com/info/journals/bij/bij.jsp
doi: 10.1108/BIJ-05-2015-0049

View at Publisher

70 Torkabadi, A.M., Pourjavad, E., Mayorga, R.V.
An integrated fuzzy MCDM approach to improve sustainable consumption and production trends in supply chain

(2018) *Sustainable Production and Consumption*, 16, pp. 99-109. Cited 5 times.
http://www.journals.elsevier.com/sustainable-production-and-consumption/
doi: 10.1016/j.spc.2018.05.008

View at Publisher

71 Tsalis, T.A., Malamateniou, K.E., Koulouriotis, D., Nikolaou, I.E.
New challenges for corporate sustainability reporting: United Nations' 2030 Agenda for sustainable development and the sustainable development goals

(2020) *Corporate Social Responsibility and Environmental Management*, 27 (4), pp. 1617-1629. Cited 33 times.
http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1535-3966
doi: 10.1002/csr.1910

View at Publisher

72 Combined management Report 2019
(2019)

73 (2019)
UN World 'Not Keeping pace' in implementing sustainable development goals, secretary-general stresses, as development financing forum begins. [WWW Document]. URL (accessed 11.11.20).
https://www.un.org/press/en/2019/ecosoc6972.doc.htm

74 (2020)
United Nations, 2020. The Sustainable Development Goals.

75 (2020)
United Nations Development Programme (UNDP) Background and Goals. Accessed at
www.undp.org/undp/en/jhome/sustainable-development-gaols/background

76 Ustun, O., Demirtas, E.A.
An integrated multi-objective decision-making process for multi-period lot-sizing with supplier selection

(2008) *Omega*, 36 (4), pp. 509-521. Cited 148 times.
doi: 10.1016/j.omega.2006.12.004

View at Publisher

77 Veritas, B.
Sustainability Report and 2019 Universal Registration Document
(2019)

78 Wang, H., Pan, C., Wang, Q., Zhou, P.
Assessing sustainability performance of global supply chains: An input-output modeling approach

(2020) *European Journal of Operational Research*, 285 (1), pp. 393-404. Cited 6 times.
https://www.journals.elsevier.com/european-journal-of-operational-research/
doi: 10.1016/j.ejor.2020.01.057

View at Publisher

79 White, L., Lee, G.J.
Operational research and sustainable development: Tackling the social dimension

(2009) *European Journal of Operational Research*, 193 (3), pp. 683-692. Cited 111 times.
doi: 10.1016/j.ejor.2007.06.057

View at Publisher

80 Wiengarten, F., Humphreys, P., Onofrei, G., Fynes, B.
The adoption of multiple certification standards: perceived performance implications of quality, environmental and health & safety certifications (Open Access)

(2017) *Production Planning and Control*, 28 (2), pp. 131-141. Cited 30 times.
www.tandf.co.uk/journals/titles/09537287.asp
doi: 10.1080/09537287.2016.1239847

View at Publisher

Zhang, Q.; College of Management, Research Institute of Business Analytics and Supply Chain Management, Shenzhen, University, Shenzhen, China;
email:q.yu.zhang@gmail.com
© Copyright 2021 Elsevier B.V., All rights reserved.

About Scopus
What is Scopus
Content coverage
Scopus blog
Scopus API
Privacy matters

Language
日本語に切り替える
切换到简体中文
切換到繁體中文
Русский язык

Customer Service
Help
Contact us

ELSEVIER Terms and conditions ↗ Privacy policy ↗

Copyright © Elsevier B.V ↗. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.
We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies.